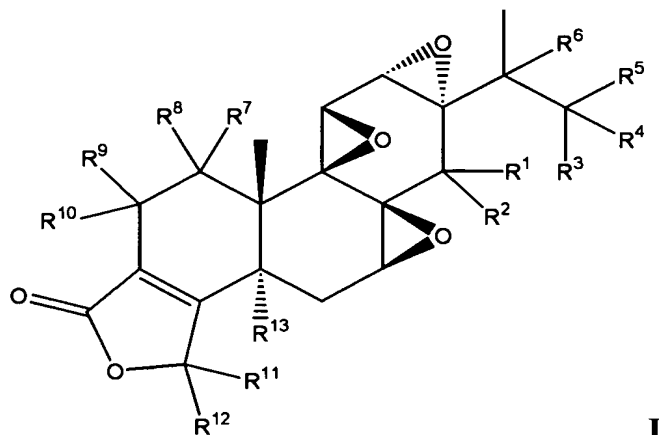


IT IS CLAIMED:

1. A compound having the structure I:



I

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where:

- CR^1R^2 is selected from $CHOH$, $C=O$, CHF , CF_2 and $C(CF_3)OH$;
 CR^6 and CR^{13} are selected from CH , COH and CF ;
 CR^7R^8 , CR^9R^{10} and $CR^{11}R^{12}$ are selected from CH_2 , $CHOH$, $C=O$, CHF and CF_2 ; and
 $CR^3R^4R^5$ is selected from CH_3 , CH_2OH , $C=O$, $COOH$, CH_2F , CHF_2 and CF_3 ;
 such that at least one of R^1 - R^{13} comprises fluorine;
 no more than two of $CR^3R^4R^5$, CR^6 , CR^7R^8 , CR^9R^{10} , $CR^{11}R^{12}$, and CR^{13} comprises
 fluorine or oxygen;
 and, when CR^1R^2 is $CHOH$, $CR^3R^4R^5$ is not CH_2F .

15

2. A compound of claim 1, wherein each of CR^7R^8 and CR^9R^{10} is independently selected from CH_2 , $CHOH(\beta)$, $C=O$, $CHF(\alpha)$ and CF_2 .

3. A compound of claim 2, wherein no more than one of $CR^3R^4R^5$, CR^6 , CR^7R^8 , CR^9R^{10} , $CR^{11}R^{12}$, and CR^{13} comprises fluorine or oxygen.

20

4. A compound of claim 3, wherein exactly one of CR^1R^2 , $CR^3R^4R^5$, CR^6 , CR^7R^8 , CR^9R^{10} , and $CR^{11}R^{12}$ comprises fluorine.

25

5. A compound of claim 4, wherein exactly one of CR^1R^2 , CR^6 , CR^7R^8 , CR^9R^{10} , and

CR¹¹R¹² comprises fluorine.

6. A compound of claim 5, wherein CR¹R² comprises fluorine.

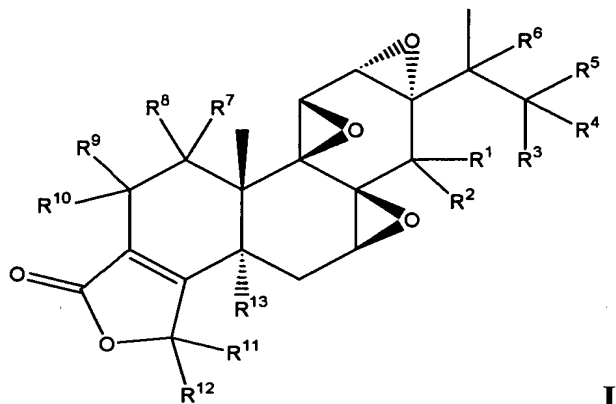
5 7. A compound of claim 6, wherein CR¹R² is CF₂.

8. A compound of claim 6, wherein CR¹R² is CHF(α).

9. A compound of claim 8, wherein each of R³-R¹³ is hydrogen.

10

10. A method of effecting immunosuppression, comprising administering to a subject in need of such treatment, in a pharmaceutically acceptable vehicle, an effective amount of a compound having the structure I:



I

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where:

CR¹R² is selected from CHOH, C=O, CHF, CF₂ and C(CF₃)OH;

CR⁶ and CR¹³ are selected from CH, COH and CF;

CR⁷R⁸, CR⁹R¹⁰ and CR¹¹R¹² are selected from CH₂, CHOH, C=O, CHF and CF₂; and

20 CR³R⁴R⁵ is selected from CH₃, CH₂OH, C=O, COOH, CH₂F, CHF₂ and CF₃;

such that at least one of R¹-R¹³ comprises fluorine;

no more than two of CR³R⁴R⁵, CR⁶, CR⁷R⁸, CR⁹R¹⁰, CR¹¹R¹², and CR¹³ comprises fluorine or oxygen;

and, when CR¹R² is CHOH, CR³R⁴R⁵ is not CH₂F.

25

11. The method of claim 10, wherein each of CR⁷R⁸ and CR⁹R¹⁰ is independently

selected from CH_2 , $\text{CHOH}(\beta)$, $\text{C}=\text{O}$, $\text{CHF}(\alpha)$ and CF_2 .

12. The method of claim 10, wherein exactly one of CR^1R^2 , $\text{CR}^3\text{R}^4\text{R}^5$, CR^6 , CR^7R^8 , CR^9R^{10} , and $\text{CR}^{11}\text{R}^{12}$ comprises fluorine.

5

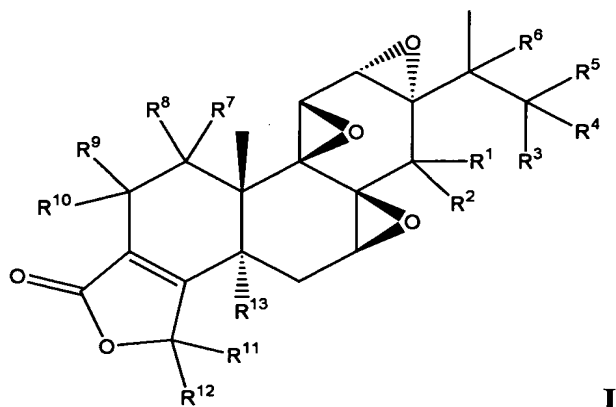
13. The method of claim 12, wherein CR^1R^2 comprises fluorine.

14. The method of claim 13, wherein CR^1R^2 is CF_2 .

10 15. The method of claim 13, wherein CR^1R^2 is $\text{CHF}(\alpha)$.]

16. The method of claim 15, wherein each of $\text{R}^3\text{-R}^{13}$ is hydrogen.

17. A method of inducing apoptosis in a cell, comprising contacting said cell with an
15 effective amount of a compound having the structure I:



I

where:

- 20 CR^1R^2 is selected from CHOH , $\text{C}=\text{O}$, CHF , CF_2 and $\text{C}(\text{CF}_3)\text{OH}$;
 CR^6 and CR^{13} are selected from CH , COH and CF ;
 CR^7R^8 , CR^9R^{10} and $\text{CR}^{11}\text{R}^{12}$ are selected from CH_2 , CHOH , $\text{C}=\text{O}$, CHF and CF_2 ; and
 $\text{CR}^3\text{R}^4\text{R}^5$ is selected from CH_3 , CH_2OH , $\text{C}=\text{O}$, COOH , CH_2F , CHF_2 and CF_3 ;
such that at least one of $\text{R}^1\text{-R}^{13}$ comprises fluorine;
25 no more than two of $\text{CR}^3\text{R}^4\text{R}^5$, CR^6 , CR^7R^8 , CR^9R^{10} , $\text{CR}^{11}\text{R}^{12}$, and CR^{13} comprises
fluorine or oxygen;

and, when CR^1R^2 is $CHOH$, $CR^3R^4R^5$ is not CH_2F .

18. The method of claim 17, wherein each of CR^7R^8 and CR^9R^{10} is independently selected from CH_2 , $CHOH(\beta)$, $C=O$, $CHF(\alpha)$ and CF_2 .

5

19. The method of claim 18, wherein exactly one of CR^1R^2 , $CR^3R^4R^5$, CR^6 , CR^7R^8 , CR^9R^{10} , and $CR^{11}R^{12}$ comprises fluorine.

20. The method of claim 19, wherein CR^1R^2 comprises fluorine.

10

21. The method of claim 20, wherein CR^1R^2 is CF_2 .

22. The method of claim 20, wherein CR^1R^2 is $CHF(\alpha)$.

15

23. The method of claim 22, wherein each of R^3 - R^{13} is hydrogen.